AMENDMENTS TO THE CLAIMS

Please amend claim 4.

This listing of claims will replace all prior versions, and listings of claims in this application.

Listing of Claims:

Claim 1 (withdrawn): Picornavirus, comprising in the non-coding region of its viral genome a nucleotide sequence corresponding to a cDNA sequence selected from the group consisting of SEQ ID NO: 1 (Ljungan 87-012)

AGTCTAGTCT TATCTTGTAT GTGTCCTGCA CTGAACTTGT TTCTGTCTCT 50
GGAGTGCTCT ACACTTCAGT AGGGGCTGTA CCCGGGCGGT CCCACTCTTC 100
ACAGGAATCT GCACAGGTGG CTTTCACCTC TGGACAGTGC ATTCCACACC 150
CGCTCCACGG TAGAAGATGA TGTGTGTCTT TGCTTGTGAA AAGCTTGTGA 200
AAATCGTGTG TAGGCGTAGC GGCTACTTGA GTGCCAGCGG ATTACCCCTA 250
GTGGTAACAC TAGC

and homologous sequences having at least 75% homology to the SEQ ID NO: 1, and further, causing mammalian disease.

Claim 2 (withdrawn): Picornavirus according to claim 1, wherein said homologous sequences have at least 80%, at least 85% or at least 90% homology to the SEQ ID NO: 1.

Claim 3 (withdrawn): Picornavirus according to claim 2, wherein said homologous sequence is one of SEQ ID NO: 2 (Ljungan 174F)

AGTCTAGTTT CATTCTGTGT GTGTTTGGCA CTGAAATTAT TTCTGTCTCT 50
GGGGTGCTTT ACACTTCAGT AGGGGCTGTA CCCGGGCGGT CCCACTCTTC 100
ACAGGAATNT GCACAGGTGG CTTTCACCTC TGGACAGTGC ATTCCACACC 150
CGCTCCACAG TAGAAGATGA TGTGTGTCTT TGCTTGTGAA AAGCTTGTGA 200
AAATCGTGTG TAGGCGTAGC GGNTACTTGA GTGCCAGCGG ACNACCCCTA 250
GTGGTAACAC TAGC

and

SEQ ID NO: 3 (Ljungan 145SL)

AGTTTGGTTC TCTCTTGAGT GTGTTTTGTG TTAGCATAAT TTCTGTCTCT 50
AGAGTGCTTT ACACTCTAGT AGGGGCTGTA CCCGGGCGGT CCCACTCTTC 100
ACAGGAATCT GCACAGGTGG CTTTCACCTC TGGACAGTGC ATTCCATACC 150
CGCTCCACAA TAGAAGATGA TGTATATCTT TGTTTGTGAA ATGCTCATGA 200
AACGTGTGTG TAGGCGTAGC GGCTACTTGA ATGCCAGCGG AACCCCCCTA 250
GTGGTAACAC TAGC.

Claim 4 (currently amended): A protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 4 (partial structural protein of Ljungan 145SL)

or an amino acid sequence at least 75% identical to the amino acid sequence of SEQ ID NO: 4, and antigenic fragments of the sequences SEQ ID NO: 4,

wherein said antigenic fragment is not amino acid sequence VLNRLTYNSSSP.

Claim 5 (withdrawn): Antiserum or antibody directed against a structural protein of the virus according to claim 1.

Claim 6 (canceled).

Claim 7 (previously presented): A diagnostic kit comprising a protein according to claim 4.

Claim 8 (canceled).

Claim 9 (currently amended): The vaccine according to claim 15 or 18, further comprising an adjuvant.

Claim 10 (canceled).

Claim 11 (previously presented): A pharmaceutical composition comprising a protein according to claim 4.

Claims 12-14 (canceled).

Claim 15 (previously presented): A vaccine comprising a protein according to claim 4.

Claim 16 (previously presented): A method for preventing or treating infection in a mammal, including a human, by a virus comprising in the non-coding region of its viral genome a nucleotide sequence selected from the group consisting of SEQ ID NO: 1 and sequences at least 75% identical to SEQ ID NO: 1, said method comprising administering to said mammal a prophylactically or therapeutically effective amount of a composition selected from the group consisting of:

- (a) a protein according to claim 4;
- (b) a pharmaceutical composition according to claim11; and

(c) a vaccine according to any one of claims 9, 15 or 18.

Claim 17 (canceled).

Claim 18 (previously presented): The vaccine according to claim 15, said vaccine further comprising a subunit of a virus, said virus comprising in the non-coding region of its viral genome a nucleotide sequence selected from the group consisting of SEQ ID NO: 1 and sequences at least 75% identical to SEQ ID NO: 1.

Claim 19 (canceled).